

<b>[Time:2.30 Hrs]</b>		<b>[ Marks:75]</b>
Please check whether you have got the right question paper.		
N.B:	1. All question are compulsory. 2. Figures to the right indicate full marks. 3. Students answering in the regional language should refer in case of doubt to the main text of the paper in English.	

Q.1	<b>Attempt any four of the following:</b>	<b>20</b>
A	Explain importance of Linux in web servers.	
B	Difference between CLI and GUI	
C	Explain features of Linux in detail.	
D	Give the importance of linux in software ecosystem	
E	Write a short note on Architecture of linux system	
F	Briefly explain Linux File System Structure	
Q.2	<b>Attempt any four of the following:</b>	<b>20</b>
A	State and explain the various text editors	
B	Difference between Hard Link and Symbolic Link:	
C	Write different file attributes	
D	State and explain any 5 TCP/IP Commands	
E	Explain 1. Backup 2. Compression	
F	Describe Filesystem architecture.	
Q.3	<b>Attempt any four of the following:</b>	<b>20</b>
A	Write any five privileges of administrator.	
B	Write a short note on Firewalls	
C	State and explain uses of ROOT	
D	What is the purpose of commands:- ssh, ping, hostname, telnet, route. Give suitable example	
E	What is the purpose of commands: -a,-b,-d,-i,-f,-s,-h,-net,-A,-F	
F	State and explain the purpose of sudo command.	

<b>Q.4</b>		<b>Attempt any three of the following:</b>	<b>15</b>
	A	Differentiate rpm and yum	
	B	How to create a username and password.	
	C	Write different file operation used in linux.	
	D	Define network protocol. Explain in detail HTTP.	
	E	Differentiate rpm and yum	
	F	Give the description of the following attributes a) -v b) -l c) -u d) -s e) -e	